

Received 5/13/82
Coded 5/14/82 NO ROSCOFF
NO MGD77
82010

Cruise Report

1. Ships name: R/V ASTERIAS
2. Cruise #: ASTERIAS 1982 #1
3. Parent project: 9450-01834
4. Funding Agency: USGS
5. Funding amount: —
6. Contract #: —
7. Contract start and end: —
8. Area of Operations: Buzzards Bay
9. Dates: April 16, 1982 - 0900 to 1500 (Woods Hole to Woods Hole)
April 20, 1982 - 0900 to 1200 (Woods Hole to Woods Hole)
April 30, 1982 - 0930 to 1515 (Woods Hole to Woods Hole)

6 Hrs
3 Hrs
5 3/4 Hrs
14 3/4
10. Chief Scientist: Anne Trehu, USGS
11. Scientific Party: Dick Coburn, Captain
Ray Davis, USGS
John Godley, USGS
Hovey Clifford, WHOI
Will Clark, WHOI
Cathy Cetta, WHOI (4/16 and 4/20)
John Grow, USGS (4/30)
Walter Wheeler, WHOI (4/30)
12. Purpose: to test the coupling response of the USGS ocean bottom seismometer (OBIP) for several different anchor configurations and bottom sediment types. The tests were conducted by instantaneously releasing a float attached to the instrument package and recording the sediment - instrument resonance thus excited. Grab samples were also taken at the two sites tested.
13. Navigation: Loran C
14. Scientific equipment: OBIP with several different anchors; grab sampler
15. a. 2 1/2 days at sea
b. ---
c. 2 stations
d. ---
e. station 1: dates: 4/16, 4/20, 4/30
latitude: 41° 32.42'N
longitude: 70° 43.72'W
depth: 45'

station 2: dates: 4/30
latitude: 41° 31.82'N
longitude: 70° 40.75'W
depth: 25'